## COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

Attorney Docket: 0001.1059
ATTORNEY'S DOCKET NO. 0001.1059

(Includes Reference to PCT International Applications)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

PATTERN FORM	IING MATERIALS AND PATTERN F	ORMATION METHOD USI	NG THE MATERIALS
the specification of which	<b>1</b> :		
is attached h	ereto.		
	United States application		
Serial No on <u>April 21</u> ,			
and was ame			
	<u>23, 2008</u> (if applicable).		
⊠was filed as i	PCT international application		
	7/KR2003/002192		
on 20/Octobe	or/2003. Inded under PCT Article 19		
	(if applicabl	e).	
	V- FF		
•	ny amendment referred to above.  disclose to the Office all information k	nown to me to be material to p	atentability as defined
patent or inventor's certi- the United States of Am inventor's certificate or a	riority benefits under Title 35, United 5 ficate or of any PCT international applierica listed below and have also idention PCT international application(s design on the same subject matter having a	cation(s) designating at least of fied below any foreign applic signating at least one country	one country other than cation(s) for patent or other than the United
priority is claimed:	•		
priority is claimed:		AIMS LINDED 25 II S.C. 11	
priority is claimed:	ATION(S) AND ANY PRIORITY CL		9:
priority is claimed:  RIOR FOREIGN/PCT APPLIC  COUNTRY	ATION(S) AND ANY PRIORITY CL	DATE OF FILING	9: PRIORITY CLAIMED
priority is claimed:			9:
priority is claimed:  RIOR FOREIGN/PCT APPLIC  COUNTRY  (if PCT, indicate "PCT")	ATION(S) AND ANY PRIORITY CL APPLICATION NUMBER	DATE OF FILING (day, month, year)	9: PRIORITY CLAIMED UNDER 35 USC 119
priority is claimed:  RIOR FOREIGN/PCT APPLIC  COUNTRY  (if PCT, indicate "PCT")	ATION(S) AND ANY PRIORITY CL APPLICATION NUMBER	DATE OF FILING (day, month, year)	9:  PRIORITY CLAIMED UNDER 35 USC 119  VYES NO
priority is claimed:  RIOR FOREIGN/PCT APPLIC  COUNTRY  (if PCT, indicate "PCT")	ATION(S) AND ANY PRIORITY CL APPLICATION NUMBER	DATE OF FILING (day, month, year)	9:     PRIORITY CLAIMED     UNDER 35 USC 119

## ATTORNEY'S DOCKET COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) NO. (Includes Reference to PCT International Applications) 0001.1059 I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application: PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120: U.S. APPLICATIONS STATUS (Check one) PATENTED PENDING **ABANDONED** U.S. APPLICATION NUMBER U.S. FILING DATE PCT APPLICATIONS DESIGNATING THE U.S. U.S. SERIAL PCT APPLICATION NO. PCT FILING DATE NUMBERS **ASSIGNED** POWER OF ATTORNEY: I hereby appoint the attorneys and agents of Stein, McEwen & Bui, LLP under USPTO Customer No. 49,455 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: PATENT TRADEMARK OFFICE 49,455 FIRST GIVEN NAME SECOND GIVEN NAME FAMILY NAME **FULL NAME** 2 OF INVENTOR KIM Joo-Ho STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP 0 CITY **RESIDENCE &** 1 **CITIZENSHIP** Yongin-si Republic of Korea Republic of Korea STATE & ZIP CODE/COUNTRY POST OFFICE ADDRESS **POST OFFICE ADDRESS** 104-901 SK Apt., 700 Yongin-si Republic of Korea Seocheon-ri, Giheung-eup, Gyeonggi-do FIRST GIVEN NAME SECOND GIVEN NAME FAMILY NAME 2 **FULL NAME TOMINAGA** Junji 0 OF INVENTOR STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP CITY **RESIDENCE &** Japan **CITIZENSHIP** Japan STATE & ZIP CODE/COUNTRY POST OFFICE ADDRESS POST OFFICE **ADDRESS** Ibaraki Japan c/o National Institute of Advanced Industrial Science and Technology, Tsukuba Central 4, 1-1. Higashi 1-chome, Tsukuba-shi FAMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME 2 **FULL NAME KUWABARA** Masashi 0 OF INVENTOR STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP 3 CITY **RESIDENCE &** Japan **CITIZENSHIP** Ibaraki Japan STATE & ZIP CODE/COUNTRY POST OFFICE ADDRESS POST OFFICE ADDRESS c/o National Institute of Advanced Ibaraki Japan Industrial Science and Technology, Tsukuba Central 4, 1-1, Higashi 1-chome, Tsukuba-shi I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. SIGNATURE OF INVENTOR 203 SIGNATURE OF INVENTOR 20 SIGNATURE OF INVENTOR 202 DATE DATE DATE

Attorney Docket: 0001.1059

## COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

ATTORNEY'S DOCKET NO. 0001.1059

(Includes Reference to PCT International Applications)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PATTERN FORM			
the specification of which		<u>.</u>	
is attached he	ereto.		·
	Inited States application		
Serial No. 10			
on <u>April 21, 3</u>			•
and was amen		•	
on <u>September</u>	23, 2008 (if applicable).		
	CT international application (KR2003/002192		
on 20/Octobe			
	ded under PCT Article 19		
on	(if applicable).		•
claims, as amended by an	reviewed and understand the contents y amendment referred to above. disclose to the Office all information k		
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on this claimed:	y amendment referred to above.  o disclose to the Office all information keriority benefits under Title 35, United scate or of any PCT international applicalisted below and have also identified beloternational application(s designating and same subject matter having a filing designation.	nown to me to be material to positive code, §119 of any foreign at least one toward foreign application(s) least one country other than the before that of the application	eign application(s) for e country other than the for patent or inventor's a the United States of on(s) of which priority
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on this claimed:	y amendment referred to above.  disclose to the Office all information k  riority benefits under Title 35, United 3 cate or of any PCT international applica listed below and have also identified bel atternational application(s designating a	States Code, §119 of any forcion(s) designating at least one towany foreign application(s) least one country other than the before that of the application (s) the state of	eign application(s) for e country other than the for patent or inventor's a the United States of on(s) of which priority
I acknowledge the duty to in §1.56.  I hereby claim foreign proparent or inventor's certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION.	y amendment referred to above.  o disclose to the Office all information k  riority benefits under Title 35, United 3  cate or of any PCT international applica  listed below and have also identified bel  nternational application(s designating a  ne same subject matter having a filing de	States Code, §119 of any forcion(s) designating at least one town any foreign application(s) least one country other than the before that of the application (s) the application (s) the before that of the application (s) the appl	eign application(s) for a country other than the for patent or inventor's a the United States of on(s) of which priority  PRIORITY CLAIMED
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION COUNTRY  (if PCT, indicate "PCT")	y amendment referred to above.  o disclose to the Office all information keriority benefits under Title 35, United 5 cate or of any PCT international applical listed below and have also identified beloternational application(s designating a ne same subject matter having a filing description of the same subject matter having a filing descri	nown to me to be material to published the code, \$119 of any foreign at least one ow any foreign application(s) least one country other that the before that of the application the before that of the application that the complex states are country of the application that the before that of the application that the complex states are considered as the complex states are considered	patentability as defined eign application(s) for e country other than the for patent or inventor's in the United States of on(s) of which priority  PRIORITY CLAIMED UNDER 35 USC 119
I acknowledge the duty to in §1.56.  I hereby claim foreign proparent or inventor's certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION.	y amendment referred to above.  o disclose to the Office all information k  riority benefits under Title 35, United 3  cate or of any PCT international applica  listed below and have also identified bel  nternational application(s designating a  ne same subject matter having a filing de	States Code, §119 of any forcion(s) designating at least one town any foreign application(s) least one country other than the before that of the application (s) the application (s) the before that of the application (s) the appl	eign application(s) for country other than the for patent or inventor's in the United States of on(s) of which priority  PRIORITY CLAIMED UNDER 35 USC 119
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION COUNTRY  (if PCT, indicate "PCT")	y amendment referred to above.  o disclose to the Office all information keriority benefits under Title 35, United 5 cate or of any PCT international applical listed below and have also identified beloternational application(s designating a ne same subject matter having a filing description of the same subject matter having a filing descri	nown to me to be material to published the code, \$119 of any foreign at least one ow any foreign application(s) least one country other that the before that of the application the before that of the application that the complex states are country of the application that the before that of the application that the complex states are considered as the complex states are considered	eign application(s) for ecountry other than the for patent or inventor's a the United States of on(s) of which priority  PRIORITY CLAIMED UNDER 35 USC 119  YES NO
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION COUNTRY  (if PCT, indicate "PCT")	y amendment referred to above.  o disclose to the Office all information keriority benefits under Title 35, United 5 cate or of any PCT international applical listed below and have also identified beloternational application(s designating a ne same subject matter having a filing description of the same subject matter having a filing descri	nown to me to be material to published the code, \$119 of any foreign at least one ow any foreign application(s) least one country other that the before that of the application the before that of the application that the complex states are country of the application that the before that of the application that the complex states are considered as the complex states are considered	patentability as defined eign application(s) for e country other than the for patent or inventor's in the United States of on(s) of which priority  PRIORITY CLAIMED UNDER 35 USC 119  YES NO YES NO
claims, as amended by an I acknowledge the duty to in §1.56.  I hereby claim foreign propatent or inventor's certificate of America certificate or any PCT in America filed by me on the is claimed:  OR FOREIGN/PCT APPLICATION COUNTRY  (if PCT, indicate "PCT")	y amendment referred to above.  o disclose to the Office all information keriority benefits under Title 35, United 5 cate or of any PCT international applical listed below and have also identified beloternational application(s designating a ne same subject matter having a filing description of the same subject matter having a filing descri	nown to me to be material to published the code, \$119 of any foreign at least one ow any foreign application(s) least one country other that the before that of the application the before that of the application that the complex states are country of the application that the before that of the application that the complex states are considered as the complex states are considered	eign application(s) for ecountry other than the for patent or inventor's a the United States of on(s) of which priority  PRIORITY CLAIMED UNDER 35 USC 119  YES NO

## ATTORNEY'S DOCKET COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY NO. (Continued)

(Includes Reference to PCT International Applications)

0001.1059

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

J.S. APPLICATIONS		STATUS (Check one)			
U.S. APPLICATION NUMBER	U.S. FILI	NG DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGN	ATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED			

POWER OF ATTORNEY: I hereby appoint the attorneys and agents of Stein, McEwen & Bui, LLP under USPTO Customer No. 49,455 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

PATENT TRADEMARK OFFICE

49,455

		FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	FULL NAME	FAMILY NAME	l -	SECOND GIVEN NAME
2	OF INVENTOR	KIM	Јоо-Но	
0	RESIDENCE &	CITÝ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
1	CITIZENSHIP	Yongin-si	Republic of Korea	Republic of Korea
Ī	POST OFFICE	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
	ADDRESS	104-901 SK Apt., 700 .	Yongin-si	Republic of Korea
		Seocheon-ri, Giheung-eup,		·.
		Gyeonggi-do		
2	FULL NAME	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	OF INVENTOR	TOMINAGA .	Junji	
2	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP	Ibaraki	Japan	Japan
	POST OFFICE	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
	ADDRESS .	c/o National Institute of Advanced	Ibaraki	Japan
		Industrial Science and		
1		Technology, Tsukuba Central 4,		
		1-1, Higashi 1-chome, Tsukuba-shi	·	
2	FULL NAME	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	OF INVENTOR	KUWAHARA	Masashi	
3	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP	Ibaraki	Japan	Japan ·
	POST OFFICE	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
1	ADDRESS	c/o National Institute of Advanced	Ibaraki	Japan
		Industrial Science and		
		Technology, Tsukuba Central 4,		
		1-1, Higashi 1-chome, Tsukuba-shi		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
	0 0	· 桑原正史
	Vint la	7
DATE	DATE	DATE .
1		h 15 - 64
	Apr. 13-2009	Hor 13-2009
	1 11:11:2001	
	Page 2 of 2	i ·